0022201 01206960

I C----*----C--C----C-----CC---C--G-C

II G--G--C----DC--G-CCA----*----C-P----G--C----*----RC-C--GL-C

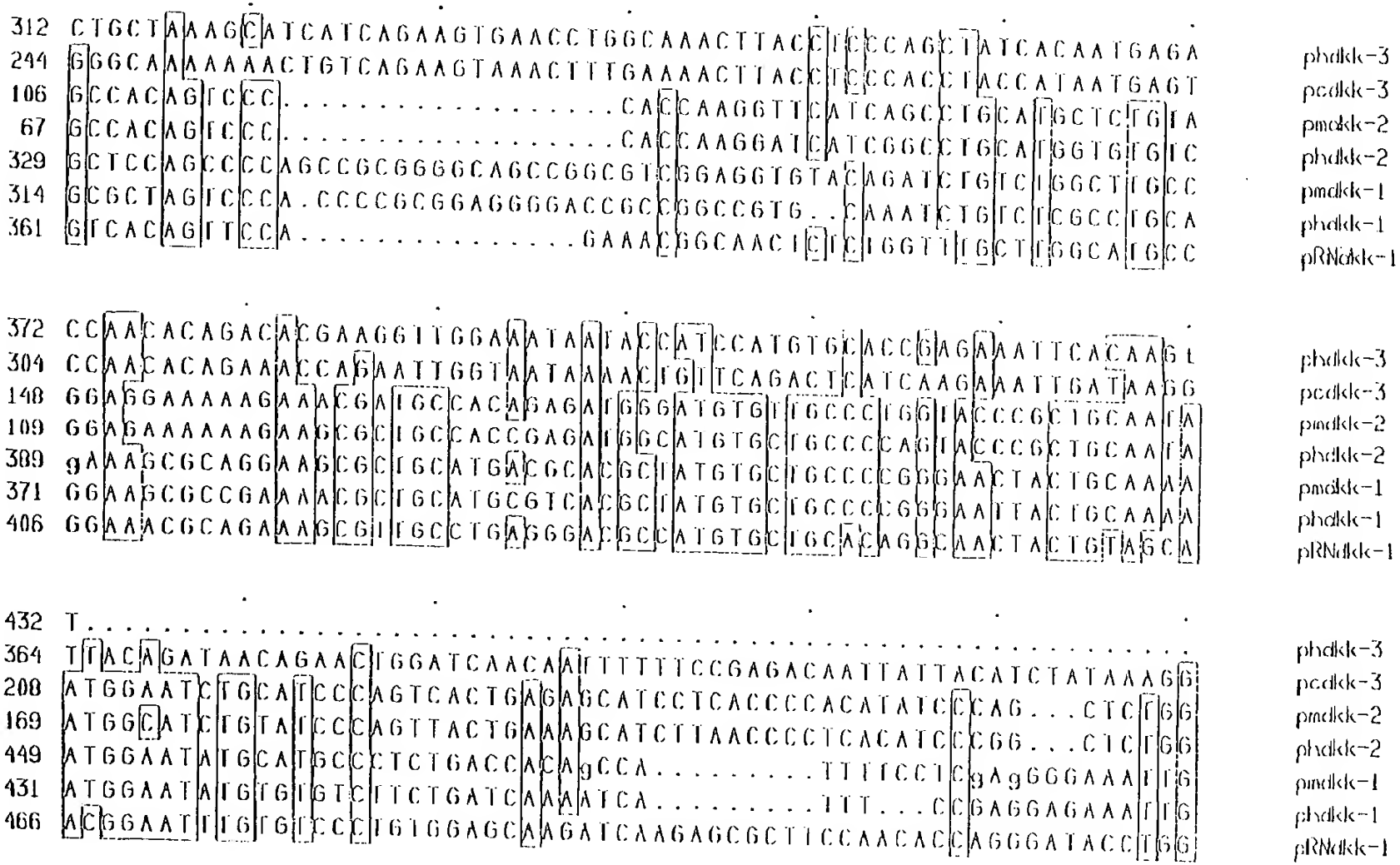
Fig. 1

1 ..... GCGGTGGCGGCC phdldc-3 2.1
1 ..... pcdldc-3 2.2
1 ..... pmdldc-2 2.3
1 ..... phdldc-2 2.4
1 ..... GACCCACGCGTCCGTGCCTGTTTGCGTCCTCG pmdldc-1 2.5
1 ..... TGGCCCCGCACGCCAAAAATTC phdldc-1 2.6
1 GACAGTCGGAGCCGGCGCTGCAGCATCAAAGGGACTTATCTTGGAGGACTTGTGAATTCT pRNdldc-1 2.7
13 GCTCTAGAATAGTGGATCCCCCGGGCTGCAGGAATTCGGCACGAGCGGCTGCGGGCGCAG phdldc-3
1 ..... CGG pcdldc-3
1 ..... pmdldc-2
1 ..... phdldc-2
34 GAGATGATGGTTGTGTGTGCAcCGGCAGCTGTCCGGTTCTTGGCCGTGTTTACAATGATG pmdldc-1
23 GGCACgAGGGTCTgGcactcagagGATGCTCTGACCTTGAAAGGGTCCTATCTGGAGACG phdldc-1
61 CATCCTGCCATTGTGGTTACTGAGTCTGGTTGGACAGAGGAAIGGGCAGCAACATGTTCC pRNdldc-1
73 AGCGGAGATGCAGCGGCTTGGGGCCACCCTGCTGTGCCTGCTGCTGGCGGCGGCGGTCCC phdldc-3
4 CGAGCGGCAGCGGCGGCTGAGGAGCGCCGGGGATGCGGCGGGGAGAGGGACCGGCGCCGC pcdldc-3
1 ..... pmdldc-2
1 ..... phdldc-2
94 GCTCTCTGCAGCCTCCCTCTGCTAGGAGCCAGTGCCACCTTGAACTCAGTTC..TCATCA pmdldc-1
83 AGGGAGTACAACGTGCTGAATGTGTGCGGTTCAGGGAGCATTTGGTAACCCT..GCaTTT phdldc-1
121 CGGTGCCTCTTATTGTCTTTTGGGGTTTTATCTTGGATGGGGCACTTGGCTTTGTCATGA pRNdldc-1

Fig. 2

133 CACGGCCCCCGCGCCCGCT.CCGACGGCGACCTCGGCTCCAGTCAAGCCCGGCCCGGCTC phdkdc-3
64 GGCGGCGATGGCTGCTGCTGTTGGCCGTGCTGGCGGCTCTGTGCTGCGCCGCGGCCGGGA pcdkdc-3
1 ..... pmdkdc-2
1 ..... phdkdc-2
152 ATTCCAACGCGATCAAGAACCTGCCCCCACCGCTGGGTGGTGCTGGGGGGCAGCCGGG.. pmdkdc-1
141 GGGAGCAGTGGGCACTAACCGGTtTtGGAGAGGTGGACACATAAgGACTGTGATCAGC.. phdkdc-1
181 TGACCAACTCCAACTCCATCAAGAATGTGCCGGCGGCACCAGCAGGTCAGCCCATTGGCT pRNdkdc-1
192 TCAGCTACCCGCAGGAGGAGGCCCACCCTCAATGAGATGTTCCGCGAGGTTGAGGAACTGA phdkdc-3
124 GCGGCGGGCGGCGGCGAGCGGCCAGCCTGGGCGAGATGCTGCGGGAGGTGGAGGCGCTGA pcdkdc-3
1 .....TGCAGGCATGAACAAGGACTGGGTTCGGCGGCAGTGAGAAGGGCA pmdkdc-2
1 .....ATACGA phdkdc-2
210 .CTCTGCTGTCAGTGTGGCGCCGGGAGTTCTCTATGAGGGCGGGAACAAGTACCAGACTC pmdkdc-1
199 .GCCCGGGTCCAagAGGGCGGGTACCTGgACCTCTGGGTGCCICAcCCICTCCCCGAACC phdkdc-1
241 ACTACCCTGTGAGCGTCAGTCCGGACTCCCTATATGATATTGCCAACAAGTACCAACCTC pRNdkdc-1
252 TGGAGGACACGCAGCACAAAATTGCGCAGCGCGGTGGAAGAGATGGAGGCAGAAGAAGCTG phdkdc-3
184 TGGAGGACACGCAGCACAAGCTGCGCAACGCCGTGCAGGAGATGGAAGCTGAAGAAGAAG pcdkdc-3
46 AAAGCCTGGGGCAGGCCIACCCTTGCAGCAGTGATAAGGAATGTGAAGTTGGAAGATACT pmdkdc-2
7 CTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGGTTGGGAGGTATT phdkdc-2
269 TTGACAACTACCAGCCCTACCCTTGCGCTGAAgATGAGGAGTGCGGCTCTGACGAGTACT pmdkdc-1
258 CTTCCCA....CAGCCGTACCCGTGCGCAGAGGACGAGGAGTGCGGCACTGATGAGTACT phdkdc-1
301 TGGATGCCTACCCGCICTACAGTTGCACGGAAGATGAIGACTGIGCCCTTGATGAAITTCT pRNdkdc-1

Fig. 2 (Forts.)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67 GCCACAGTCCC.....CACCAAGGATCATCGGCCTGCATGGTGTGTC
329 GCTCCAGCCCCAGCCGCGGGGCAGCCGGCGTCGGAGGTGTACAGATCTGTCTGGCTTGCC
314 GCGCTAGTCCCA.CCCCGCGGAGGGGACCGCCGGCCGTG..CAAATCTGTCTCGCCTGCA
361 GTCACAGTTCCA.....GAAACGGCAACICTCTGGTTTGCTTGGCATGCC
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pcdldc-3
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phdldc-2
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pRNdldc-1
372 CCAACACAGACACGAAGGTTGGAAATAATACCATCCATGTGCACCGAGAAATTCACAAGT
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109 GGAGAAAAAAAGAAGCGCTGCCACCGAGATGGCATGTGCTGCCCCAGTACCCGCTGCAATA
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371 GGAAGCGCCGAAAACGCTGCATGCGTCACGCTATGTGCTGCCCCGGGAATTACTGCAAAAA
406 GGAACGCAGAAAGCGTTGCCTGAGGGACGCCATGTGCTGCACAGGCAACTACTGTAGCAA
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phdldc-2
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phdldc-1
pRNdldc-1
432 T.....
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208 ATGGAATCTGCATCCCAGTCACTGAGAGCATCCTCACCCCACATATCCCAG...CTCTGG
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449 ATGGAATATGCATGCCCTCTGACCACAgCCA.....TTTTCCTCgAgGGGAAATTTG
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466 ACGGAATTTGTGTCCCTGTGGAGCAAGATCAAGAGCGCTTCCAACACCAGGGATACCTGG
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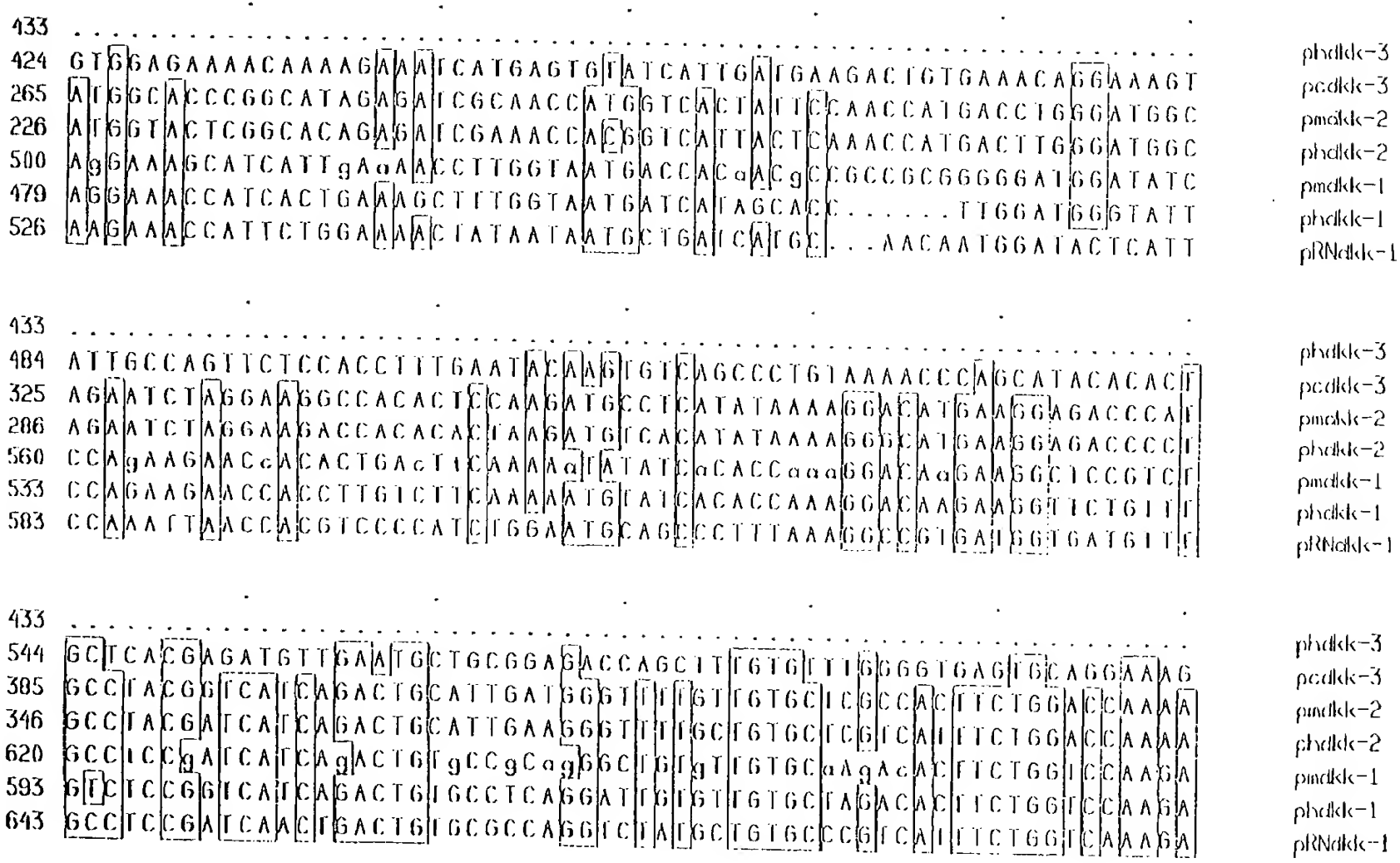
Fig. 2 (Forts.)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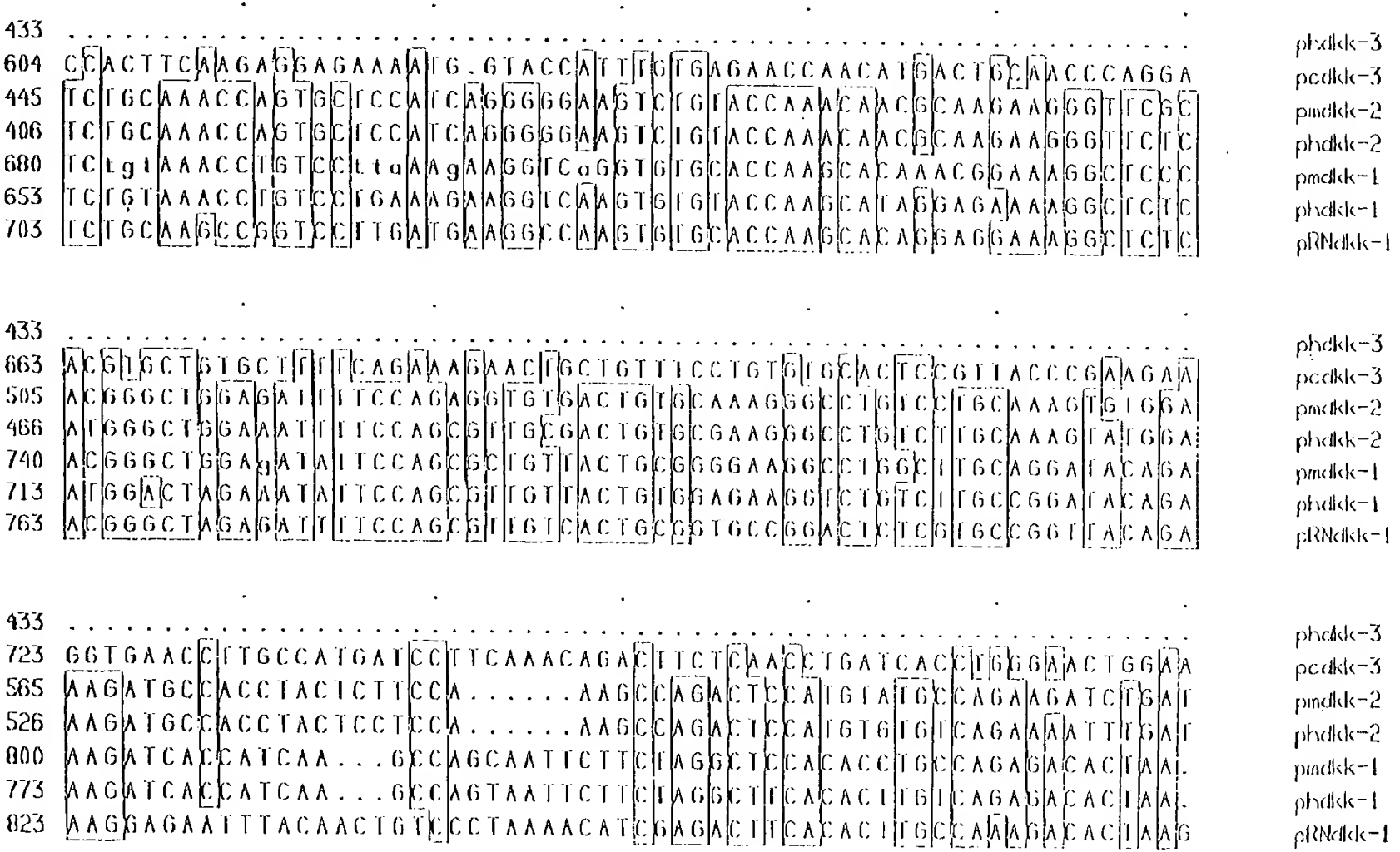

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phdkk-1
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phdkk-1
pRNdkk-1

phdkk-3
pcdkk-3
pmdkk-2
phdkk-2
pmdkk-1
phdkk-1
pRNdkk-1

Fig. 2 (Forts.)

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619  AAACACTG.GAAGAGTCATCACTAGCAGACTGTGAATTTGTGTATTTAATGCATTATGGC  pmdkdc-2
580  CACCATTGAGGAACATCATCAATTGCAGACTGTGAAGTTGTGTATTTAATGCATTATAGC  phdkdc-2
856  ....ACCGACAGTC..TAAATATGATGGACTCTTTTTATCTAATATATGCTACGAAAATC  pmdkdc-1
829  ..................................................................  phdkdc-1
883  CGAGGCCTACAGAG..CCTGAAGGACCTTCTCTAAATTAAGCTAATTAAGACTTTGGTAC  pRNdkdc-1

433  ..................................................................  phdkdc-3
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678  ATGATGGAAACCTGGATTGGAATGCGGAAGAATGAGGGATGTGGTAAGAATGTGGAGCAG  pmdkdc-2
640  ATGGTGGAAAATAAGGTTCAGATGCAGAAGAAT...GGCTAAAATAAGAAACGTGATAAG  phdkdc-2
910  CTTTATGATTTGTCAGCTCAATCCCAAGGATGTAGGAATCTTCAGTGTGTAATTAAGCAT  pmdkdc-1
829  ..................................................................  phdkdc-1
941  CTGCATGTTATTTTCTCAGTTTACATGAAGTGCTCTGGTCTTCCCTGAACCCGGAAGCTG  pRNdkdc-1

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903  GAAGATCCCTTGAACATGGATGAGATGCCATTTATCAGTTTAATACCCAGAGATATTCTT  pcdkdc-3
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970  TCCGACAATACTTTCCAAAAGCTCTGGAGTGTAAGGACTTTGTTTCTTGATGGAACTCCC  pmdkdc-1
829  ..................................................................  phdkdc-1
1001 CGCAACTTGTTTCTTTTTTTGAGGAACTTCCTAATTAAATGCTAATTACAGTAAATTACTG  pRNdkdc-1
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Fig. 2 (Forts.)

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433  ..........                                                    phdkk-3
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757  GTGAGGGTTAAT..........                                        phdkk-2
1030 CTGTGATTGCAgTAAATTACTGTGTTGTAAATCCTCAgTGTGGCACTTACCTGTAAATGC  pmdkk-1
829  ..........                                                    phdkk-1
1061 TGTTGTAAATACTACGCAAGGAGACCTGTAAAAACTGTAAATACCCGTGTATAGAAAGTG  pRNdkk-1

433  ..........                                                    phdkk-3
1023 GACCAAGCAGGTGTGAAGTCTGAGCATGACCCGGCTCATGACCTATTTCTGGGAGATGAA  pcdkk-3
858  AGCACACCATGGAAATTACAAAAA..........                            pmdkk-2
769  ..........                                                    phdkk-2
1090 AgCAAAACTTTTAATTATTTTtCTAgAgGTGTGgTACATTGCCTTGTTTCTCTTGCATGT  pmdkk-1
829  ..........                                                    phdkk-1
1121 TACATGATCTTCTCTATTGTAACCTGCCACCTTGTACATTCCGACGCGCTCTTCCCTTTT  pRNdkk-1

433  ..........                                                    phdkk-3
1083 ATATGAAGTTCAAACACCAGTTTAGTTAGTCCTAGAAATTGTTGTCTAGTGTCTTGCTTA  pcdkk-3
882  ..........                                                    pmdkk-2
769  ..........                                                    phdkk-2
1150 aAATTTTTTTtGTaCACGGTTGATtGTCTTGAcTCATAAATATTCTATATTGgAgTagAA  pmdkk-1
829  ..........                                                    phdkk-1
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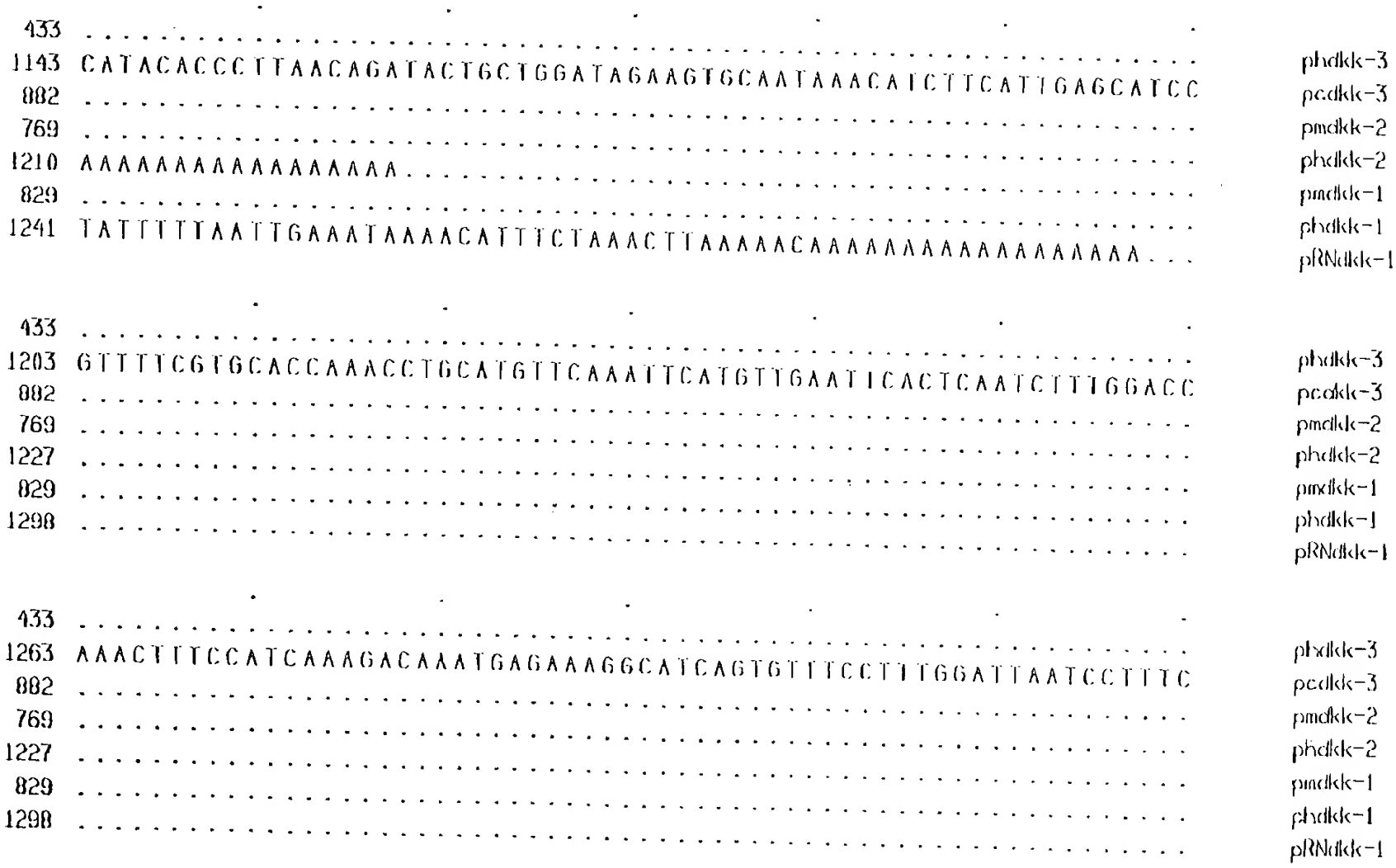
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829 ..... phdkk-1
1241 TATTTTTAATTGAAATAAAACATTTCTAAACTTAAAAACAAAAAAAAAAAAAAAAAA... pRNdkk-1
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433 ..... phdkk-3
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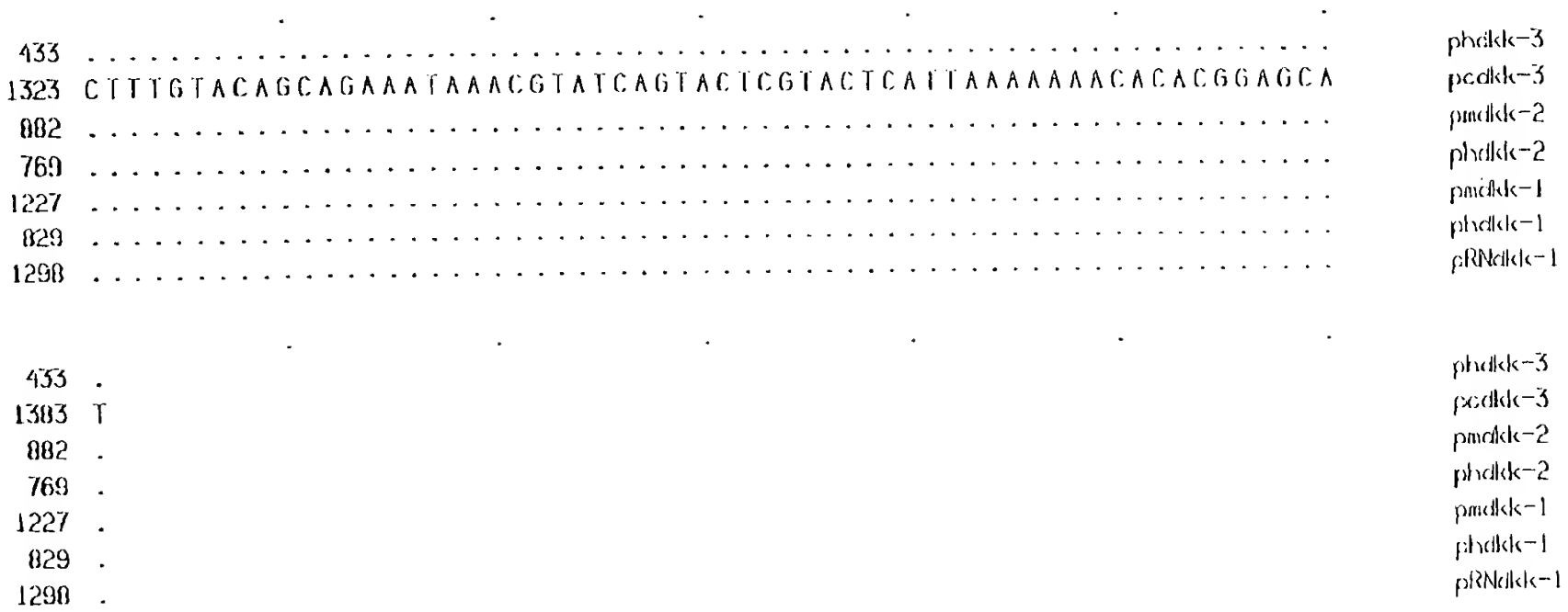
Fig. 2 (Forts.)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882 . . . . . pmdldc-2
769 . . . . . phdldc-2
1227 . . . . . pmdldc-1
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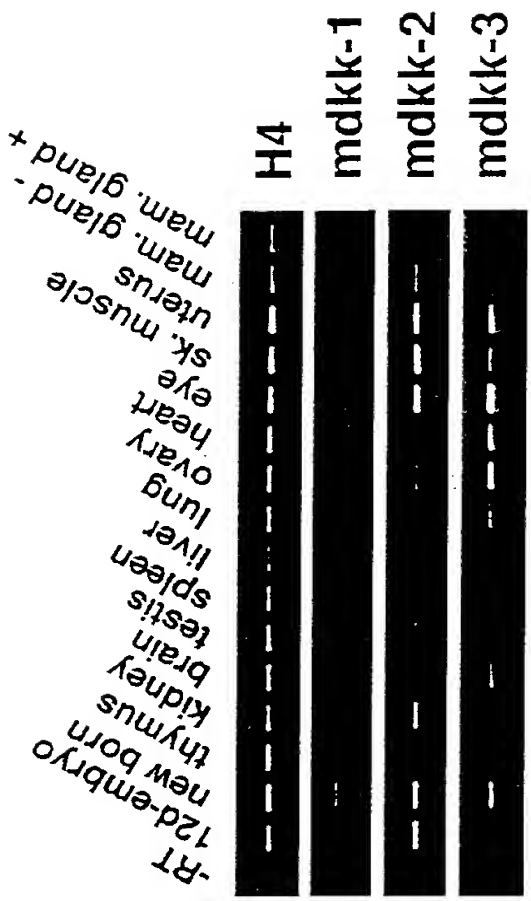
Fig. 2 (Forts.)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new born
thymus
kidney
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spleen
liver
lung
ovary
heart
eye
sk. muscle
uterus
mam. gland -
mam. gland +

Fig. 3